

## EAST Search History

| Ref # | Hits | Search Query   | DBs                                    | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L5    | 20   | (US-20040036022-\$).did. or<br>(US-5239180-\$ or US-6646264-\$<br>or US-4883953-\$ or US-6236048-\$<br>or US-5533509-\$ or US-6587575-\$<br>or US-5710630-\$ or US-4427889-\$<br>or US-6152889-\$ or US-6157041-\$<br>or US-5321265-\$ or<br>US-6035246-\$).did. or<br>(US-6025597-\$ or US-5515847-\$<br>or US-5529755-\$ or US-4655225-\$<br>or US-6113541-\$ or US-5743262-\$<br>or US-6049727-\$).did. | US-PGPUB;<br>USPAT;<br>DERWENT         | OR               | ON      | 2006/12/15 11:27 |
| L6    | 11   | L5 and (nm) and transmi\$5   | US-PGPUB;<br>USPAT;<br>DERWENT         | OR               | ON      | 2006/12/15 11:52 |
| L7    | 10   | L5 and (nm) and intensity  | US-PGPUB;<br>USPAT;<br>DERWENT         | OR               | ON      | 2006/12/15 11:52 |
| S1    | 572  | 250/339.12   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2006/12/12 08:54 |
| S28   | 431  | 250/339.12.ccls.   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2005/11/02 11:11 |
| S29   | 364  | 250/339.11.ccls.   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2005/11/02 11:11 |
| S30   | 346  | 250/339.13.ccls.   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2005/11/02 13:18 |
| S31   | 148  | 250/339.01.ccls.   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2005/11/02 11:11 |
| S32   | 100  | 250/339.05.ccls.   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2005/11/02 11:11 |
| S33   | 1081 | 250/343.ccls.  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | ON      | 2005/11/02 11:11 |

## EAST Search History

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S34 | 13 | (US-4427889-\$ or US-5321265-\$ or US-5533509-\$ or US-5710630-\$ or US-6152889-\$ or US-6157041-\$).did. or (US-4655225-\$ or US-5515847-\$ or US-5529755-\$ or US-5743262-\$ or US-6049727-\$ or US-6025597-\$ or US-6113541-\$).did. | USPAT;<br>DERWENT                           | OR | ON | 2005/11/02 12:04 |
| S36 | 37 | S28 and S35   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:31 |
| S37 | 21 | S29 and S35   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:32 |
| S38 | 15 | S30 and S35   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:07 |
| S39 | 2  | S31 and S35   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:07 |
| S40 | 3  | S32 and S35   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:07 |
| S41 | 21 | S33 and S35   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:07 |
| S42 | 5  | S28 and S35 and food  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:07 |
| S43 | 3  | S29 and S35 and food  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:16 |
| S44 | 3  | S30 and S35 and food  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:30 |
| S45 | 1  | S31 and S35 and food  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:07 |

## EAST Search History

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S46 | 1  | S32 and S35 and food  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:07 |
| S47 | 5  | S33 and S35 and food  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:07 |
| S48 | 4  | S28 and S35 and food and intensity  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:17 |
| S49 | 2  | S29 and S35 and food and intensity  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:21 |
| S50 | 2  | S30 and S35 and food and intensity  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:17 |
| S51 | 1  | S31 and S35 and food and intensity  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:21 |
| S52 | 1  | S32 and S35 and food and intensity  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:17 |
| S53 | 5  | S33 and S35 and food and intensity  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 12:17 |
| S54 | 45 | ("4260262"   "4266878"   "4286327"   "4540286"   "4627008"   "4692620"   "4752689"   "4806764"   "4997280"   "5021662"   "5092819"   "5106339"   "5159199"   "5166755"   "5206699"   "5218207"   "5241178"   "5258825"   "5319200"   "5327708"   "5351117"   "5406084"   "5460177"   "5476108"   "5480354"   "5616851"   "5642498"   "5736410"   "5751421").PN. OR ("6100526"). URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/11/02 13:02 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S55 | 58   | (<br>"3578866"   "3597616"  <br>"3776642"   "3861788"  <br>"3876881"   "3886331"  <br>"4037970"   "4040747"  <br>"4108847"   "4146332"  <br>"4253766"   "4260262"  <br>"4448790"   "4463261"  <br>"4540282"   "4560275"  <br>"4649281"   "4806764"  <br>"4836017"   "4866644"  <br>"4925305"   "4997280"  <br>"5130158"   "5132538"  <br>"5173079"   "5212765"  <br>"5218529"   "5224203"  <br>"5239180"   "5241178"  <br>"5308981"   "5317524"  <br>"5327708"   "5351338"  <br>"5406084"   "5410021"  <br>"5442438"   "5448069"  <br>"5472511"   "5478748"  <br>"5517302"   "5559034"  <br>"5578931"   "5605577"  <br>"5617511"   "5619618"  <br>"5689333"   "5697373"  <br>"5751421"   "5755672"  <br>"5844086"   "5898792"  <br>"5986749"   "5991025"  <br>"6001412"   "6005076"  <br>"6100526"   "6483583").PN. OR<br>("6851662").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/11/02 13:11 |
| S56 | 2    | S54 and S35   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/11/02 13:03 |
| S57 | 2    | S55 and S35   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/11/02 13:03 |
| S58 | 851  | Gore.in.  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/11/02 13:11 |
| S59 | 26   | Gore.in. and organic and food   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/11/02 13:11 |
| S60 | 1001 | 356/237.1.ccls.   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT      | OR | ON | 2005/11/02 13:18 |
| S61 | 15   | S60 and food and intensity  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:22 |

## EAST Search History

|     |   |   |   |    |    |                  |
|-----|---|---|---|----|----|------------------|
| S62 | 3 | S60 and food and organic  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:22 |
| S63 | 1 | ((organic same substance) and food and (infrared adj absorption) and (wavelength adj region) and (absorption adj (band or spectrum)) and (intensity same (electrical adj signal)) and (signal adj processor) and algorithm).clm.  | US-PGPUB                                    | OR | ON | 2005/11/02 13:25 |
| S64 | 1 | ((organic same substance) and food and (infrared adj absorption) and (wavelength adj region) and (absorption adj (band or spectrum)) and (intensity same (electrical adj signal)) and (signal adj processor) and algorithm and ((wavelength adj band) same "n-1")).clm.                               | US-PGPUB                                    | OR | ON | 2005/11/02 13:27 |
| S65 | 0 | ((organic same substance) and food and (infrared adj absorption) and (wavelength adj region) and (absorption adj (band or spectrum)) and (intensity same (electrical adj signal)) and (signal adj processor) and algorithm and ((wavelength adj band) same "-1")).clm.                                | US-PGPUB                                    | OR | ON | 2005/11/02 13:28 |
| S66 | 1 | ((organic same substance) and food and (infrared adj absorption) and (wavelength adj region) and (absorption adj (band or spectrum)) and (intensity same (electrical adj signal)) and (signal adj processor) and algorithm and ((wavelength adj band) same (subset same n))).clm.                     | US-PGPUB                                    | OR | ON | 2005/11/02 13:27 |
| S67 | 1 | (electromagnetic and (organic same substance) and food and (infrared adj absorption) and (wavelength adj region) and (absorption adj (band or spectrum)) and (intensity same (electrical adj signal)) and (signal adj processor) and algorithm and ((wavelength adj band) same (subset same n))).clm. | US-PGPUB                                    | OR | ON | 2005/11/02 13:31 |

## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S69 | 1     | ((organic same substance) and food and (wavelength adj region) and (absorption adj (band or spectrum)) and (intensity same (electrical adj signal))) | US-PGPUB                                    | OR | ON | 2005/11/02 13:30 |
| S70 | 83    | ((organic same substance) and (intensity same (electrical adj signal)))  | US-PGPUB                                    | OR | ON | 2005/11/02 13:30 |
| S71 | 2     | S28 and S70  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:30 |
| S72 | 2052  | electromagnetic and (organic same substance)   | US-PGPUB                                    | OR | ON | 2005/11/02 13:31 |
| S73 | 2     | S28 and S72  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:31 |
| S74 | 10362 | (organic or concentrat\$4 or food) and wavelength and (absorption adj spectrum)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:32 |
| S75 | 92    | S28 and S74  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:32 |
| S76 | 36    | S29 and S74  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:33 |
| S77 | 85    | S30 and S74  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:32 |
| S78 | 13    | S31 and S74  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:33 |
| S79 | 8     | S32 and S74  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:33 |
| S80 | 141   | S33 and S74  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:33 |

## EAST Search History

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S81 | 2  | S60 and S74   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/11/02 13:33 |
| S82 | 38 | ("4306152"   "4427889"  <br>"4491730"   "4655225"  <br>"4805623"   "4882492"  <br>"4883953"   "4975581"  <br>"5023804"   "5054487"  <br>"5070874"   "5086229"  <br>"5121337"   "5146091"  <br>"5209231"   "5222495"  <br>"5222496"   "5242602"  <br>"5252829"   "5267152"  <br>"5349189"   "5355880"  <br>"5360004"   "5435309"  <br>"5459317"   "5460177"  <br>"5553613").PN. OR ("6236047").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/11/02 13:33 |
| S83 | 46 | ("20030031597"   "3787124"  <br>"4350441"   "4397956"  <br>"4655225"   "4730112"  <br>"4819752"   "5081998"  <br>"5111817"   "5204532"  <br>"5277181"   "5348003"  <br>"5361758"   "5370114"  <br>"5372136"   "5377674"  <br>"5379764"   "5412581"  <br>"5452716"   "5481113"  <br>"5576544"   "5606164"  <br>"5655530"   "5692503"  <br>"5713353"   "5720284"  <br>"5725480"   "5773301"  <br>"5823951"   "5857462"  <br>"5900632"   "5933792"  <br>"6040578"   "6067463"  <br>"6087182"   "6115673"  <br>"6121050"   "6124134"  <br>"6157041"   "6161028"  <br>"6198949"   "6236047"  <br>"6262798"   "6285448"  <br>"6426045"   "6580934").PN. OR<br>("6862534").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/11/02 13:33 |
| S84 | 1  | ("4968932").PN. OR ("6670820").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/11/02 13:33 |

## EAST Search History

|          |      |  |  |    |    |                  |
|----------|------|--|--|----|----|------------------|
| S14<br>8 | 16   | (US-6157041-\$ or US-6587575-\$ or US-6152889-\$ or US-5321265-\$ or US-5533509-\$ or US-5239180-\$ or US-4427889-\$ or US-4883953-\$ or US-5710630-\$).did. or (US-5743262-\$ or US-5529755-\$ or US-5515847-\$ or US-4655225-\$ or US-6113541-\$ or US-6025597-\$ or US-6049727-\$).did. | USPAT;<br>DERWENT                      | OR | ON | 2006/12/11 12:29 |
| S15<br>1 | 8    | S148 and transmi\$5 and infrared   | USPAT;<br>DERWENT                      | OR | ON | 2006/12/11 12:32 |
| S15<br>2 | 11   | S148 and transmi\$5  | USPAT;<br>DERWENT                      | OR | ON | 2006/12/11 12:32 |
| S15<br>3 | 455  | 250/339.12.ccls.   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/13 09:52 |
| S15<br>4 | 289  | S153 and (absorp\$5 or transmi\$5) and wavelength and signal and process\$4  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/13 09:51 |
| S15<br>5 | 50   | S154 and food  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/12 08:55 |
| S15<br>6 | 22   | ("3161768"   "3803384"   "3839633"   "3972625"   "4076983").PN. OR ("4247773").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2006/12/13 08:59 |
| S15<br>7 | 7    | S156 and (absorp\$5 or transmi\$5) and wavelength and signal and process\$4  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/13 14:22 |
| S15<br>8 | 1504 | (non\$1 adj (absorp\$5 or transmi\$5)) and wavelength and signal and process\$4  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/13 11:16 |
| S15<br>9 | 1    | 250/339.12.ccls. and S158  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/13 10:17 |
| S16<br>0 | 3437 | ((non\$1 or no or "not") adj (absorp\$5 or transmi\$5)) and wavelength and signal and process\$4   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/13 10:17 |
| S16<br>1 | 19   | 250/339.12.ccls. and S160  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/13 11:16 |

## EAST Search History

|          |     |  |  |    |    |                  |
|----------|-----|--|--|----|----|------------------|
| S16<br>2 | 9   | ("4451152"   "4563581"  <br>"4627008"   "4640614"  <br>"5065416"   "5241178"  <br>"6020588").PN. OR ("6236048").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2006/12/13 11:12 |
| S16<br>3 | 204 | 250/339.12.ccls. and (absorp\$5 or<br>transmi\$5) and wavelength and<br>signal and process\$4 and intensity  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/13 11:16 |
| S16<br>4 | 29  | S163 and food  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/13 11:17 |
| S16<br>5 | 20  | (US-20040036022-\$).did. or<br>(US-6157041-\$ or US-4427889-\$<br>or US-6152889-\$ or US-4883953-\$<br>or US-5321265-\$ or US-5533509-\$<br>or US-5710630-\$ or US-6236048-\$<br>or US-6646264-\$ or US-5239180-\$<br>or US-6587575-\$ or<br>US-6035246-\$).did. or<br>(US-4655225-\$ or US-5515847-\$<br>or US-5529755-\$ or US-5743262-\$<br>or US-6025597-\$ or US-6113541-\$<br>or US-6049727-\$).did. | US-PGPUB;<br>USPAT;<br>DERWENT         | OR | ON | 2006/12/13 14:22 |
| S16<br>6 | 11  | intensity and (absorp\$5 or<br>transmi\$5) and wavelength and<br>signal and process\$4 and S165  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/14 09:49 |
| S16<br>7 | 20  | (US-20040036022-\$).did. or<br>(US-6587575-\$ or US-6236048-\$<br>or US-6646264-\$ or US-6157041-\$<br>or US-6152889-\$ or US-5533509-\$<br>or US-6035246-\$ or US-5710630-\$<br>or US-5321265-\$ or US-5239180-\$<br>or US-4883953-\$ or<br>US-4427889-\$).did. or<br>(US-6025597-\$ or US-6049727-\$<br>or US-6113541-\$ or US-5743262-\$<br>or US-5515847-\$ or US-5529755-\$<br>or US-4655225-\$).did. | US-PGPUB;<br>USPAT;<br>DERWENT         | OR | ON | 2006/12/14 09:39 |
| S16<br>8 | 11  | intensity and (absorp\$5 or<br>transmi\$5) and wavelength and<br>signal and process\$4 and S167  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/14 09:40 |
| S16<br>9 | 10  | intensity and (absorp\$5 or<br>transmi\$5) and wavelength and<br>signal and process\$4 and (function<br>or ratio or formula or algorithm)<br>and S167  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/14 09:40 |

## EAST Search History

|          |    |  |  |    |    |                  |
|----------|----|--|--|----|----|------------------|
| S17<br>0 | 20 | (US-20040036022-\$).did. or<br>(US-6157041-\$ or US-4427889-\$<br>or US-6152889-\$ or US-4883953-\$<br>or US-5321265-\$ or US-5533509-\$<br>or US-5710630-\$ or US-6236048-\$<br>or US-6646264-\$ or US-5239180-\$<br>or US-6587575-\$ or<br>US-6035246-\$).did. or<br>(US-4655225-\$ or US-5515847-\$<br>or US-5529755-\$ or US-5743262-\$<br>or US-6025597-\$ or US-6113541-\$<br>or US-6049727-\$).did. | US-PGPUB;<br>USPAT;<br>DERWENT         | OR | ON | 2006/12/14 09:49 |
| S17<br>1 | 12 | (absorp\$5 or transmi\$5) and<br>wavelength and signal and<br>process\$4 and S170  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2006/12/14 09:50 |